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Fig._1

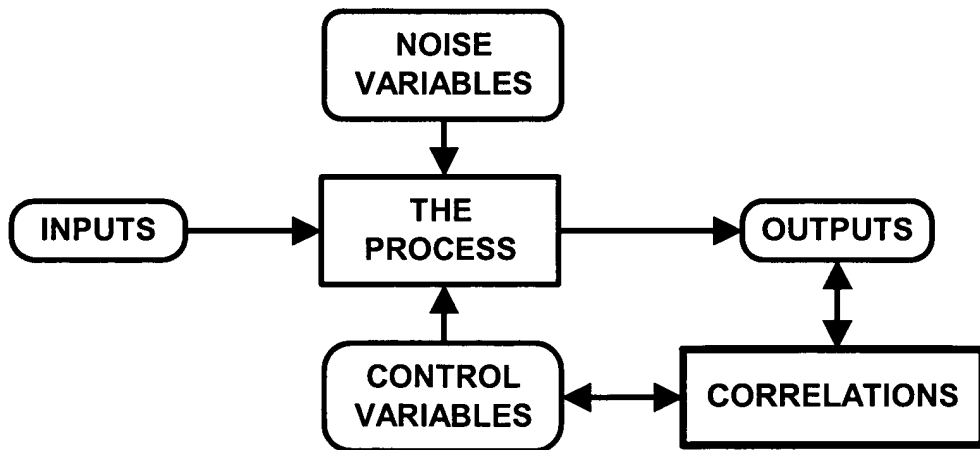
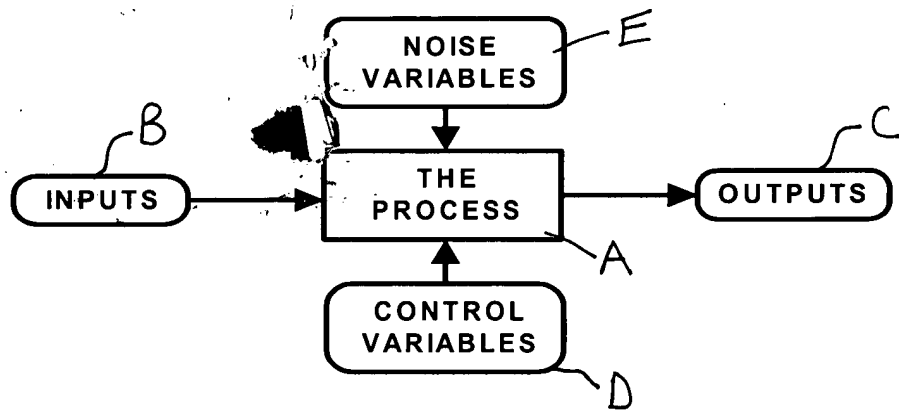


Fig._2

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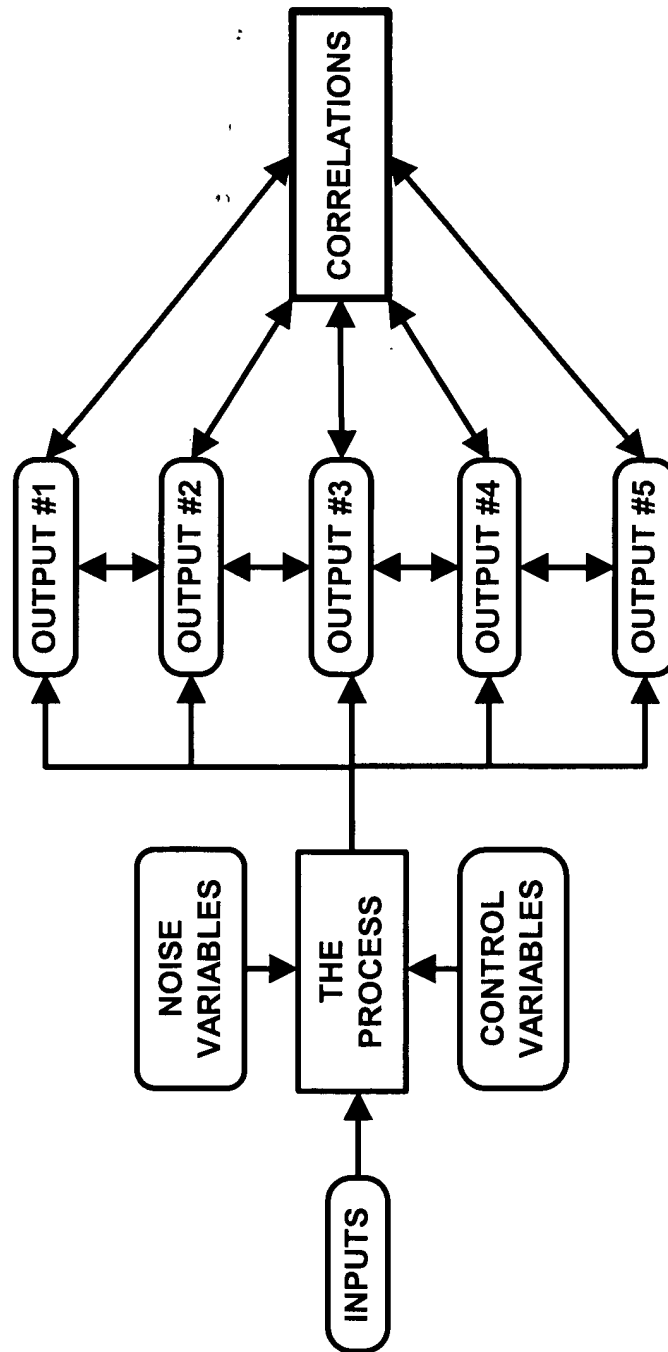


Fig._3

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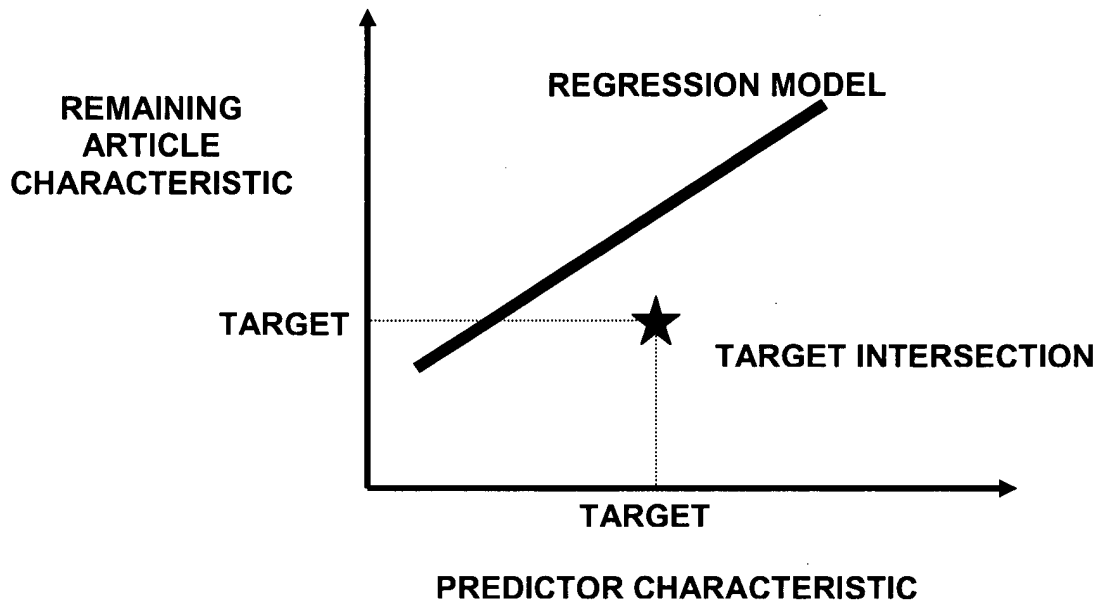
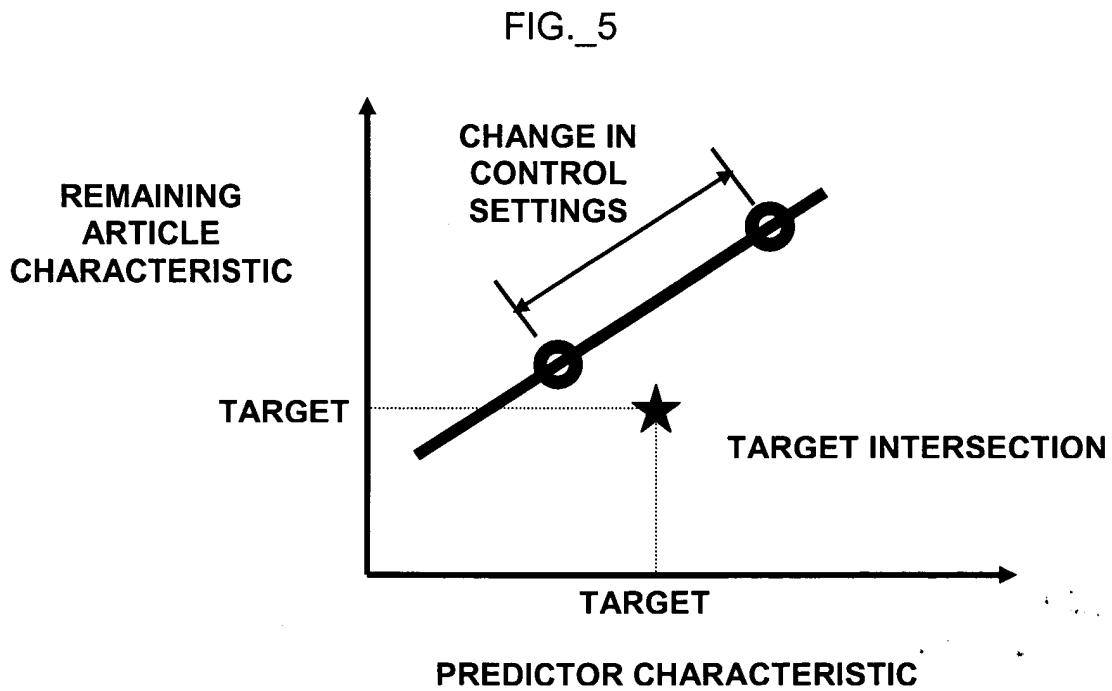
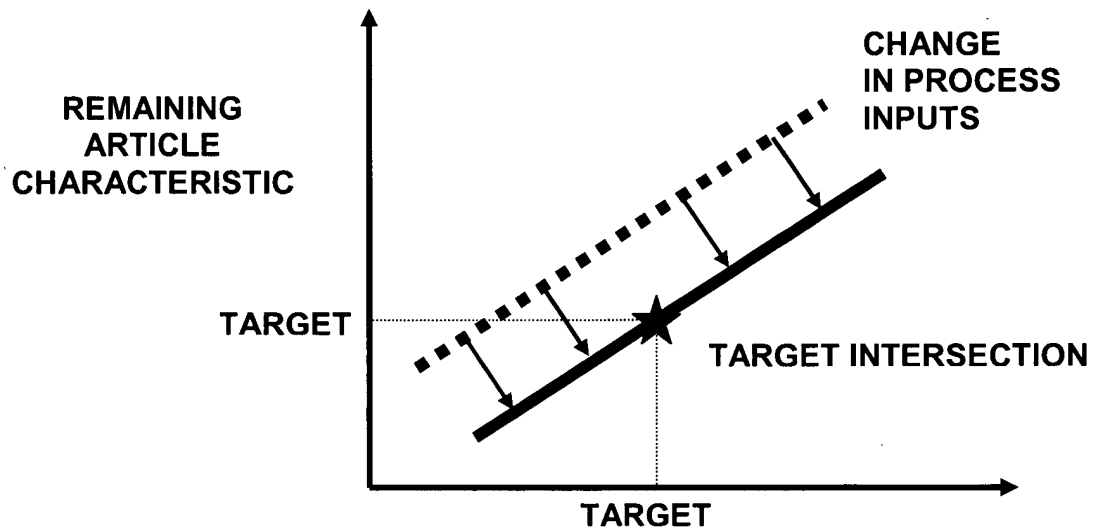


FIG._4



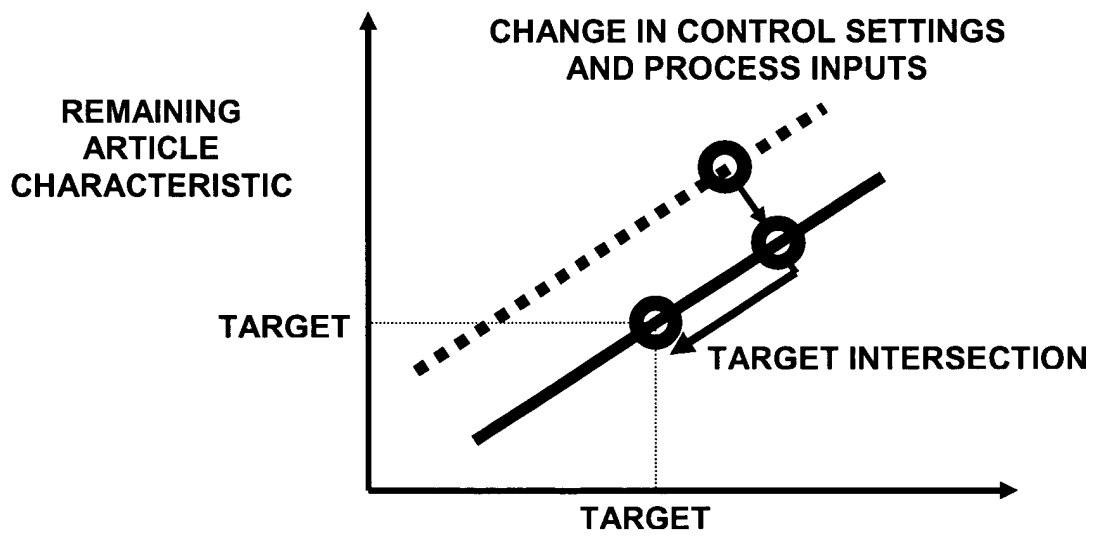
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PREDICTOR CHARACTERISTIC

FIG._6

FIG._7



PREDICTOR CHARACTERISTIC

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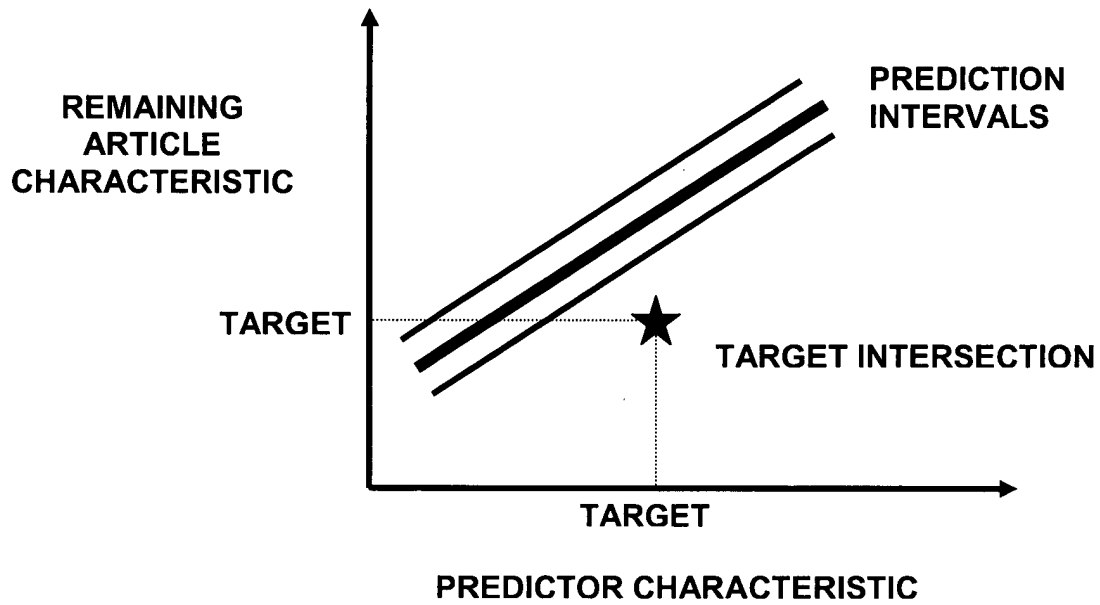


FIG._8

Manufacturing Master - [Calculation and Charting Steps]

File Help

Part 1: Get Input Data Part 2: Select the Predictor Part 3: Calculate Statistics Part 4: Create Charts

1. Use the menu (File/Open) or keyboard (Ctrl +O) commands to open the input database.
2. Enter the number of rows and columns of information on the Excel data sheet, including the row and column headers.
Number of rows: Number of columns:
3. Transfer the data from the Excel data sheet into Manufacturing Master.
4. Select optional data validation methods in addition to checking for blank cells: then validate the data.
☐ Absolute ☐ Relative
5. Use the menu commands (File/Save As ...) to create a new database for storing all results and charts.

FIG._9

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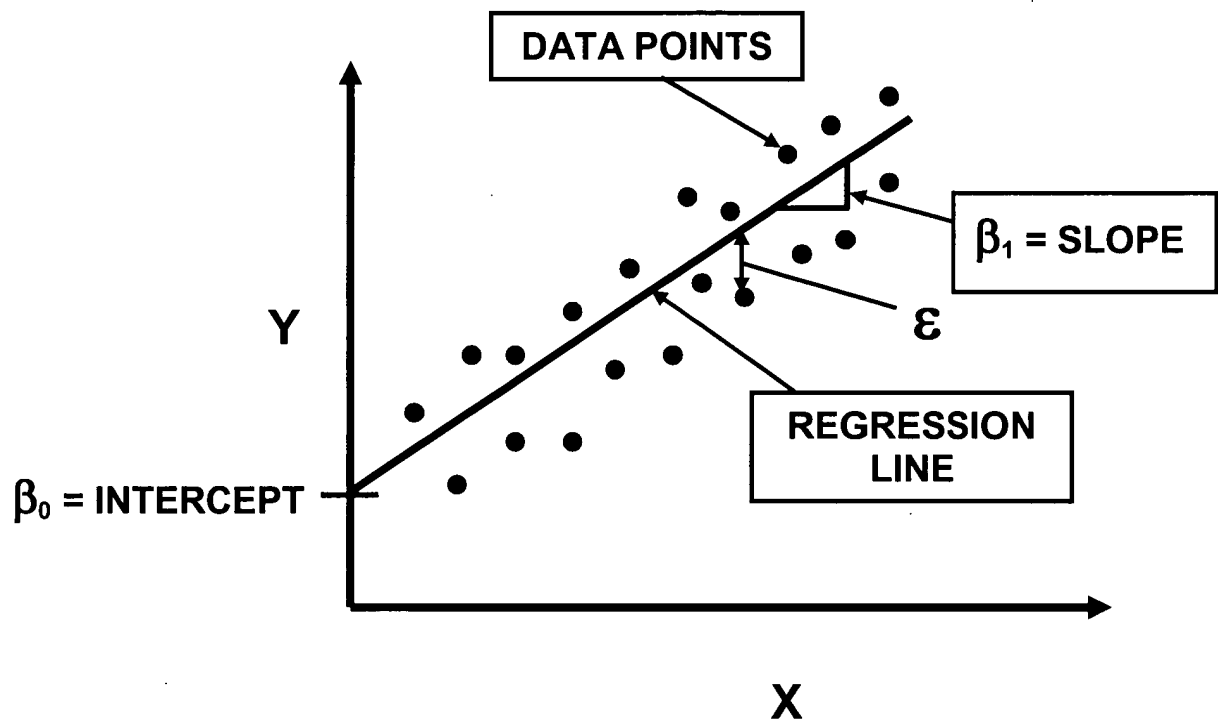
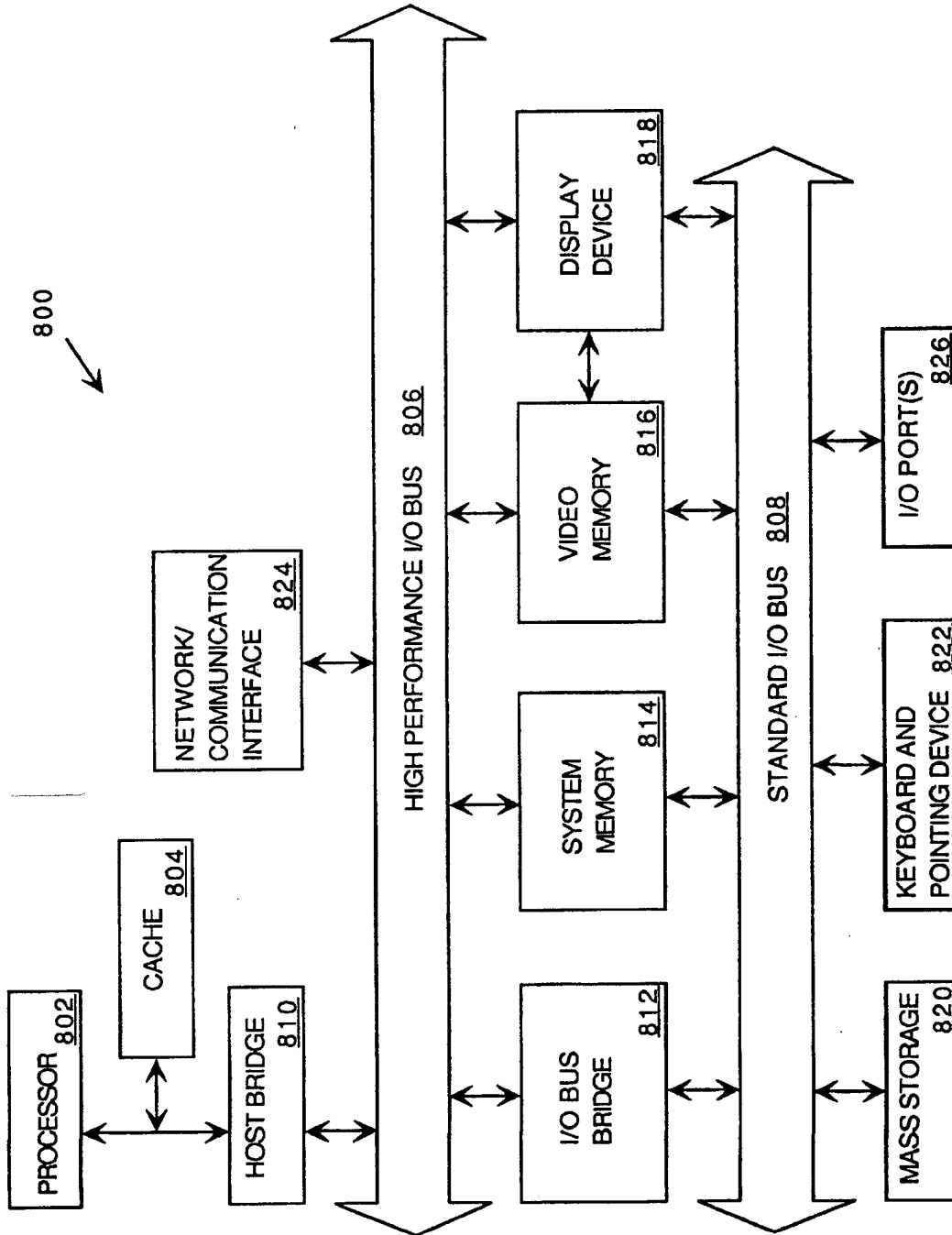


FIG._10

FIG. 11



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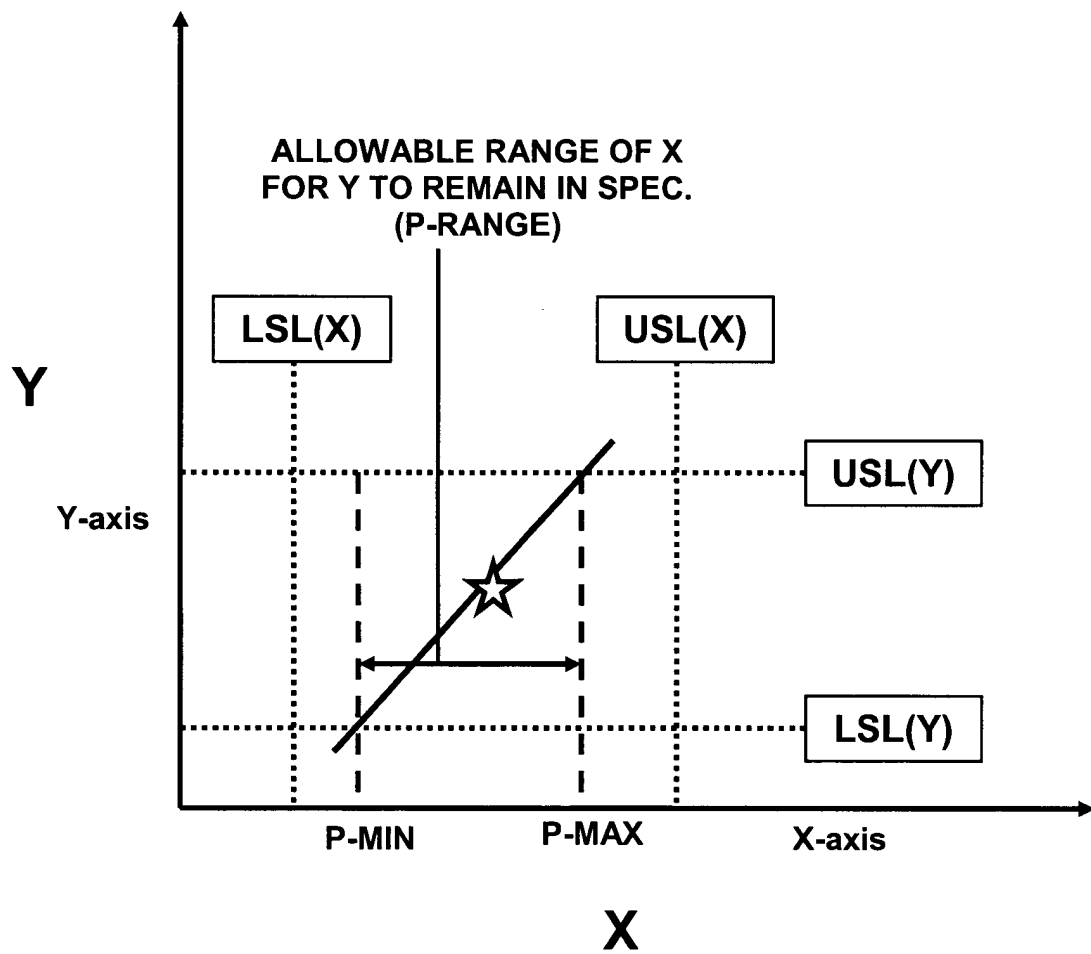


FIG._12

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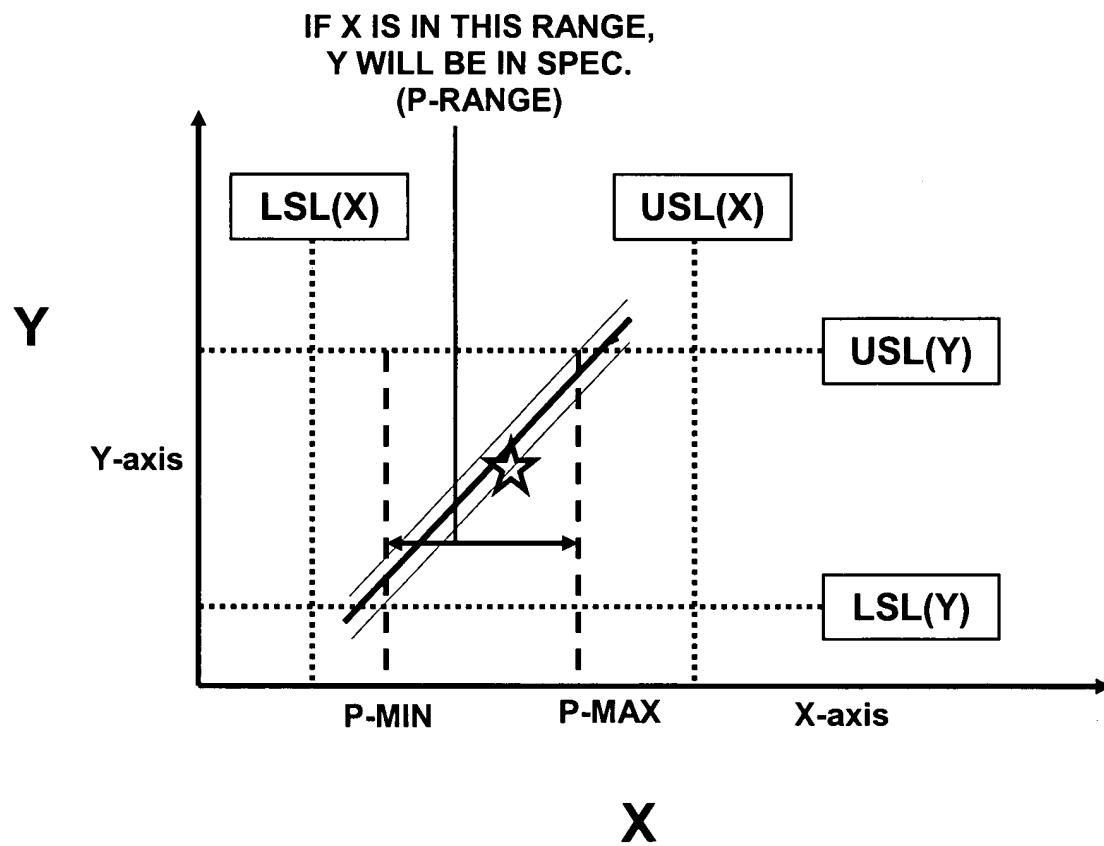


FIG._13

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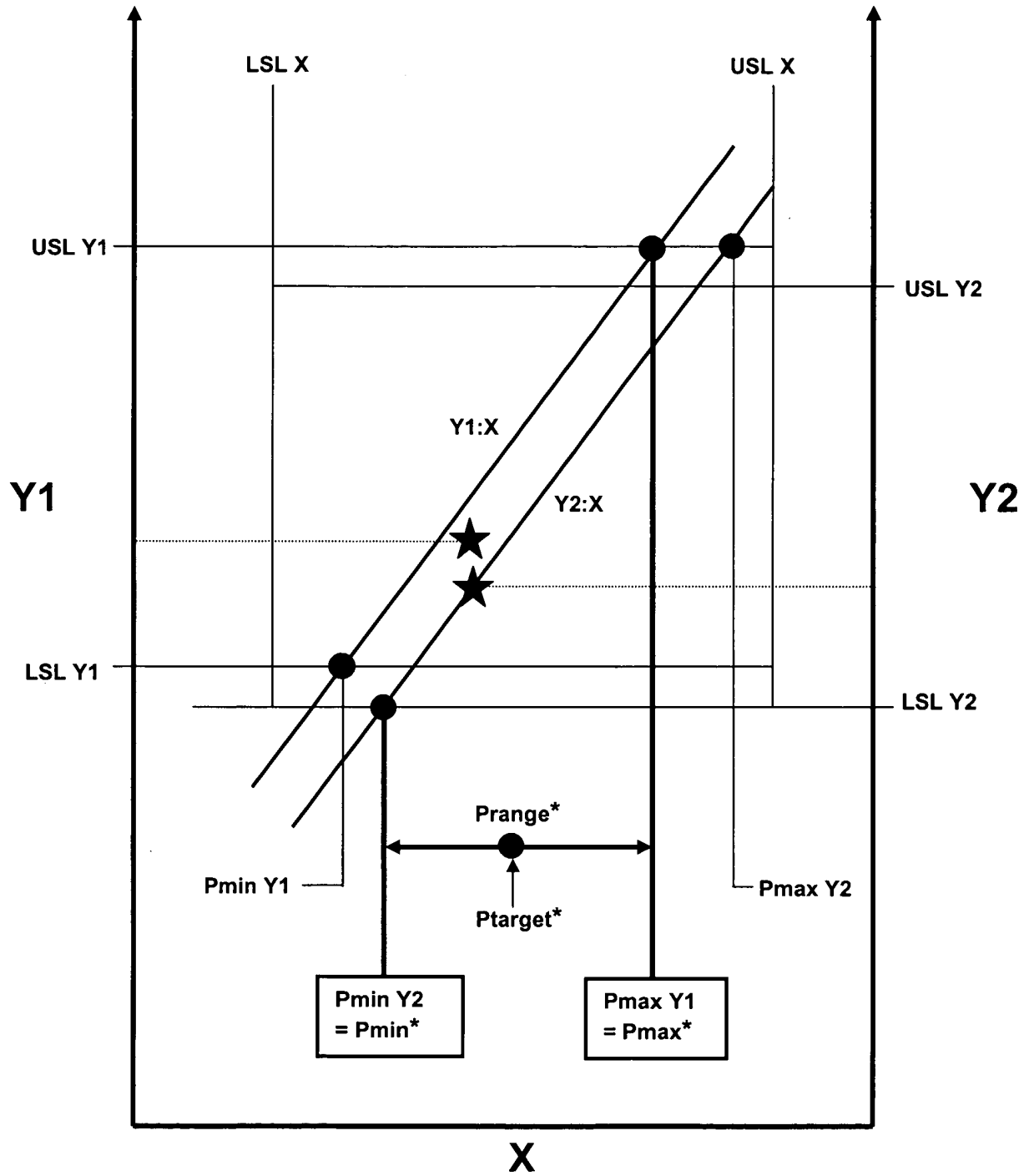


FIG._14

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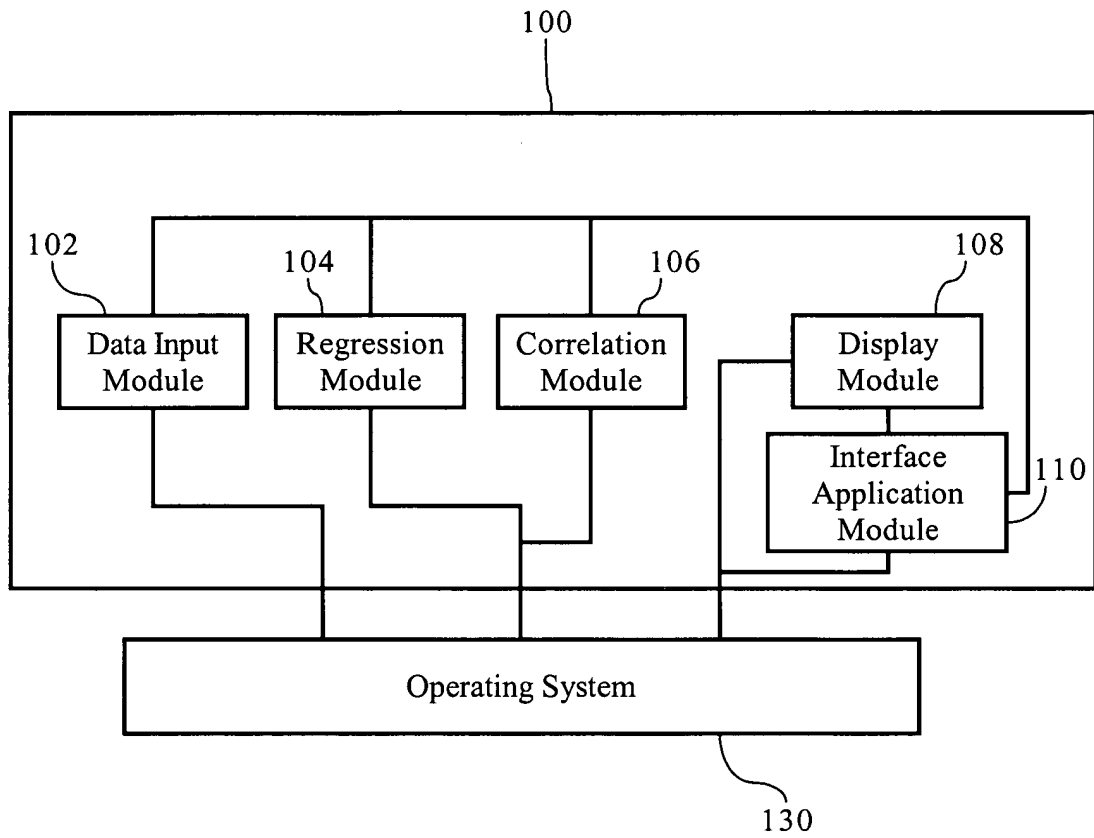


Fig._15

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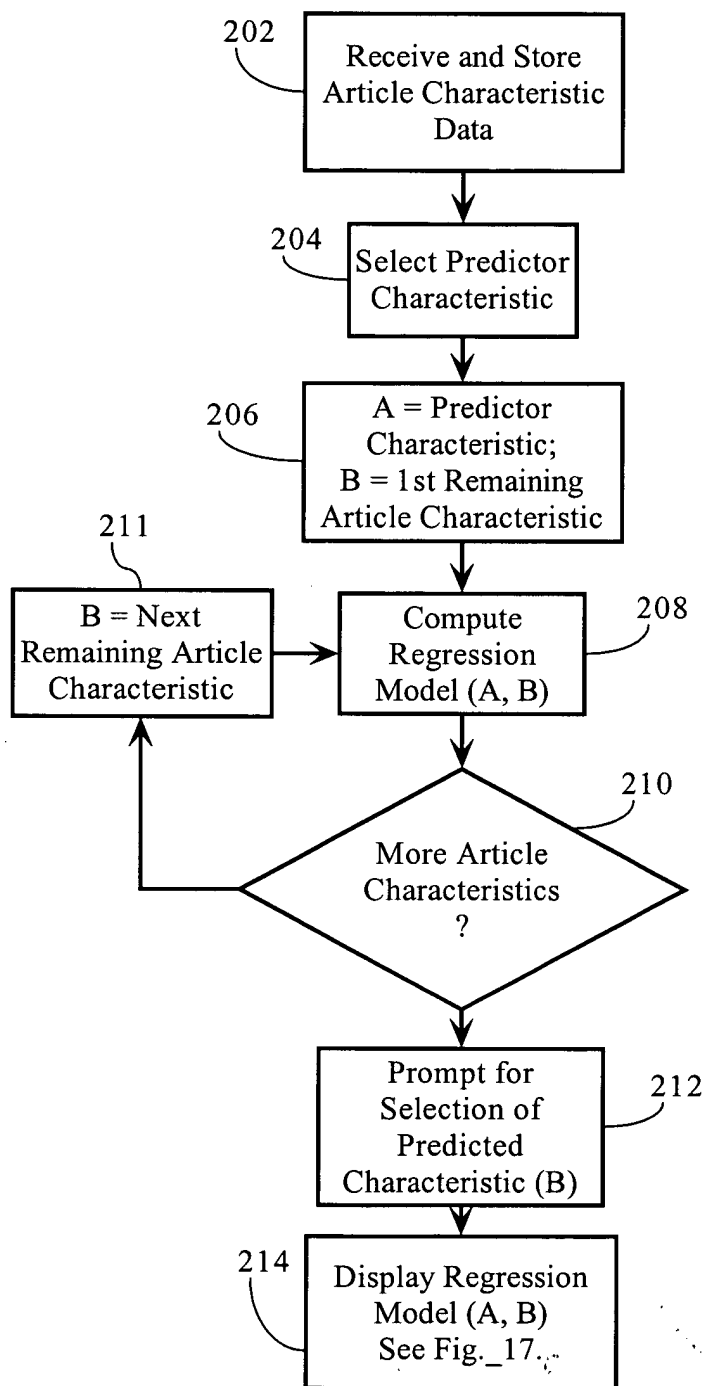


Fig._16

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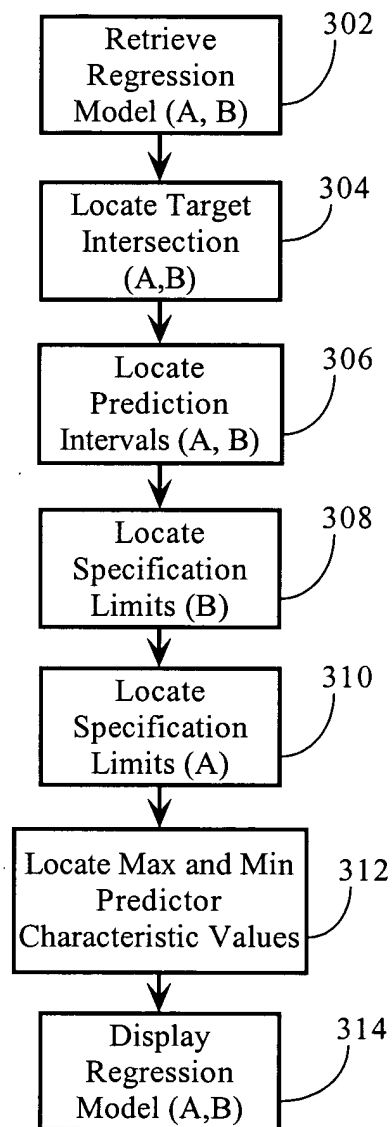


Fig. 17

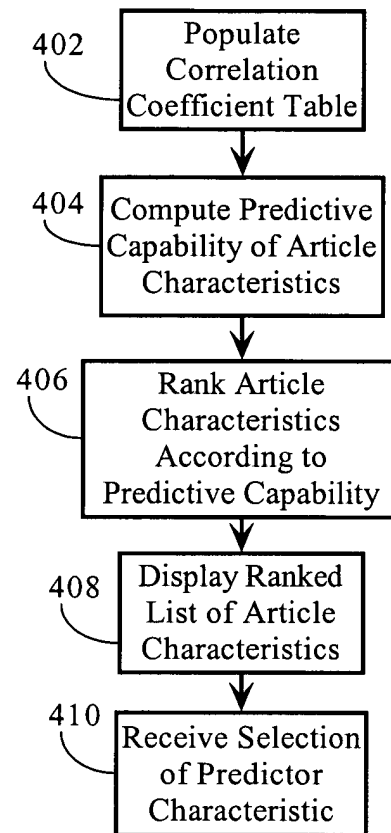
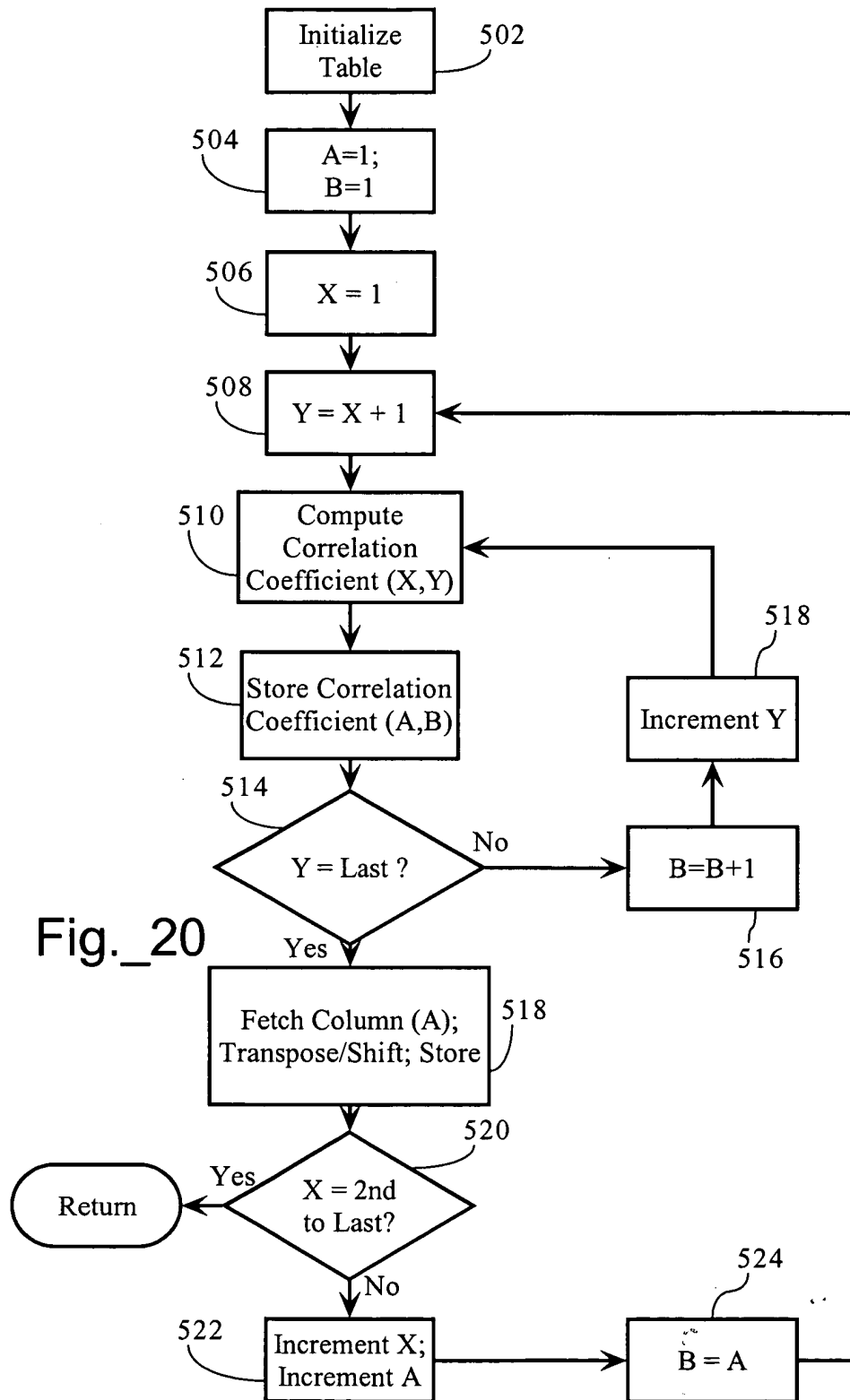


Fig._18

1	2	3	4	5	6	7	8
2	Row/Col.	Var1	Var2	Var3	Var4	Var5	Var6
3	1	1	2	3	4	5	6
4	2	2	2.9	3.8	4.7	5.6	7
5	3	3	4	5	6	7	8
6	4	4	5.1	6.2	7.3	8.4	9
7	5	5	6	7	8	9	10
8							
9	Correlation	0.999232	0.999232	0.997054	0.993653	0.989203	1.000000
10	Correlation	0.997054	0.999294	0.999294	0.997298	0.994186	0.999232
11	Correlation	0.993653	0.997298	0.999354	0.999354	0.997530	0.997054
12	Correlation	0.989203	0.994186	0.997530	0.999410	0.999410	0.993653
13	Correlation	1.000000	0.999232	0.997054	0.993653	0.989203	0.989203
14							
15	Average	0.995829	0.997848	0.998057	0.996673	0.993907	0.995829

FIG. 19

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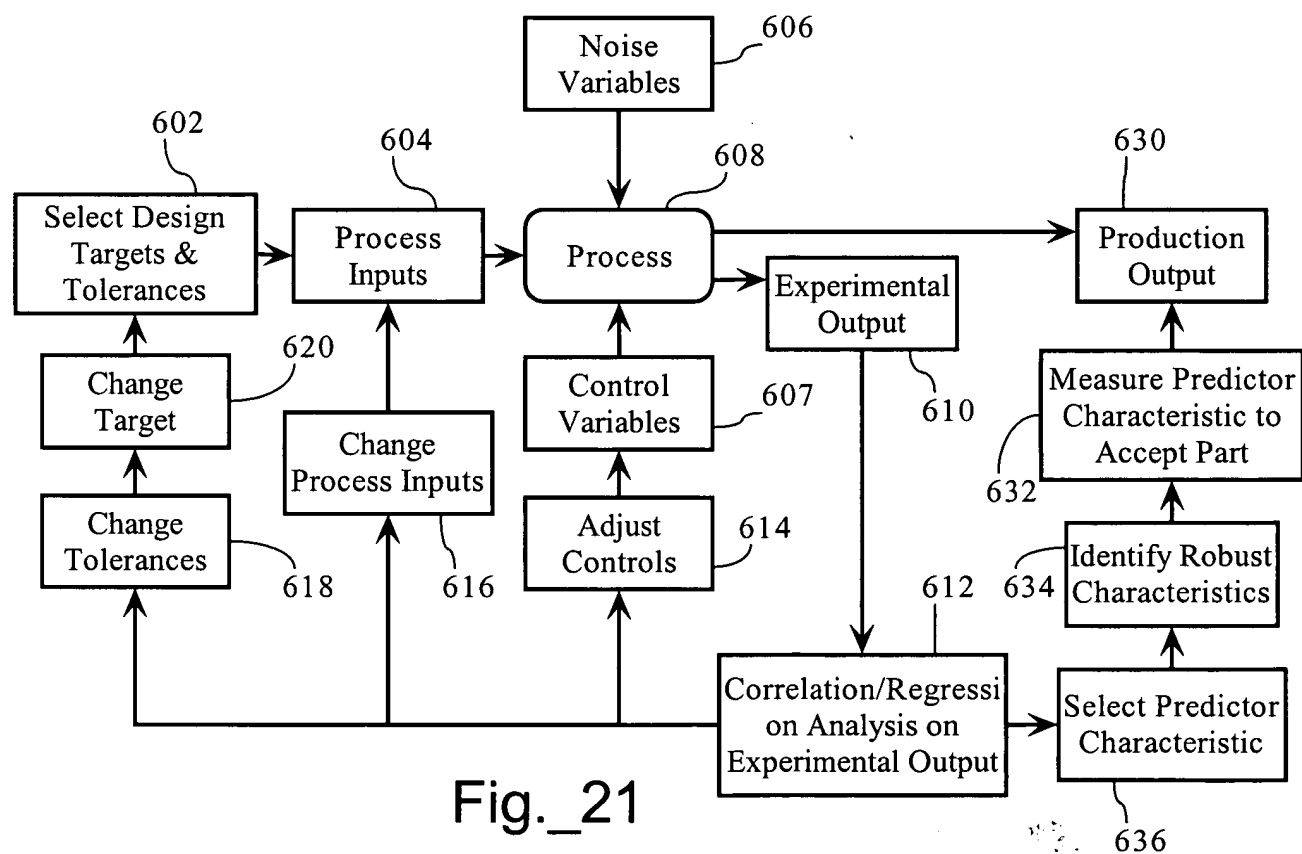


Fig._21

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<u>CAVITY</u>	<u>END</u>	<u>DIM.</u>	<u>P-MIN</u>	<u>P-MAX</u>
1	LONG	1.785	NONE	1.932
		1.925	1.924	1.934
		1.970	NONE	NONE
		2.065	1.920	1.929
1	SHORT	1.785	NONE	NONE
		1.925	1.921	1.938
		1.970	NONE	NONE
		2.065	NONE	NONE
2	LONG	1.785	NONE	1.938
		1.925	1.921	1.938
		1.970	NONE	NONE
		2.065	NONE	1.931
2	SHORT	1.785	NONE	1.937
		1.925	1.923	NONE
		1.970	NONE	NONE
		2.065	NONE	NONE

FIG._22